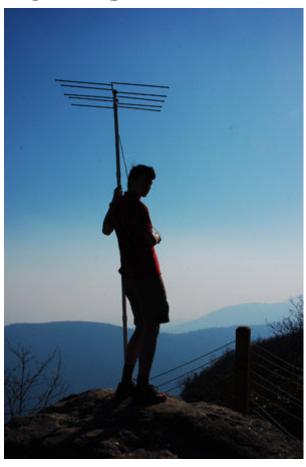


OFFICIAL PUBLICATION OF THE ATLANTA RADIO CLUB, W4DOC

**APRIL 2009** 

### A parking deck, a contest, and an antenna called "Mega Blue"



On a recent short jaunt up to Highlands, NC, **Tyler KJ4HNN** decided to hike up Whiteside Mountain with his Elk and HT- to his surprise, he found the 146.820 machine at S9 from an elevation of 4930'

On Saturday, February 28th - same evening as the Dalton Hamfest - a group of us met at a parking deck in Dunwoody to

### Bill Perkins KB4KFT

string up some 160 meter antennas and play with the CQ SSB contest running that weekend. We are not true contesters or competitors, just some guys wanting to play

radio for a while out-of-doors.

The groups was: Bob K4ESA, Arnold KC4ZUA, George KI4DSO, Gordon KI4TVJ, Rob KI4UTY, Chris KI4YMD, and me, Bill KB4KFT. Most of these folks are familiar to the morning repeater crowd.

Our first antenna attempt was a reproduction of the antenna used last year at the same location. 200 or so feet of electric fence wire running from the seventh level of the deck down to a tie off point near the ground, a long resonate sloper. Tuning this antenna was tough because of the HUGE metal objects near by like well grounded parking decks, long fences, street lights, and mid-rise steel frame buildings. We got it up and tuned last year and did pretty good then.

Not this year, could not get it tuned to a reasonable value. Chris's MFJ259B was reporting the wire was way out of tune - 300 ohms. And, of course, no one had a 4:1 or 6:1 balun handy. We did have an antenna tuner and decided to just let the tuner eat the difference - it was doing OK but not good enough.

While we were doing all this Arnold set up a 10 meter station and dipole and checked into the local M&M, 10-10 net. Arnold's basic set up was a Ranger RCI-2950, LDG Z-11 Pro tuner and 10 meter homebrew inverted-V at 16 feet over the top deck of the parking garage. He was running his radio of a small 25a switching power supply.

I talked to Bob (K4ESA) on 10 meters and joked about needing a 949 tuner. About twenty minutes later Bob showed up with a

(Continued on page 4)

### Georgia QSO Party and preps for a fox hunt make for a busy April

April provides us with two unique and fun opportunities to play with radios. The first being the 2009 Georgia QSO Party and the second being a fox hunt sponsored by the Walton County Emergency Radio Club.

QSO parties in general are now very popular. The Georgia QSO Party has gained some status as one of the "best". The goal is to get all the 159 GA counties on the air for the event. In past events the goal has not been reached. We had 158 counties live in 2008. It can be done if the GA clubs rally to get stations on the air. Home stations can easily put in some hours on the weekend. It is the Rovers who go to the rare counties and make it fun. Get in the mobile and visit your neighboring counties on short Rover run. Georgia is beautiful in April.!

The objective: for amateurs outside of the state of Georgia to make contact with as many Phone and/or CW Georgia stations in as many of the 159 Georgia counties, as possible. Georgia stations work everyone on Phone, CW, or both modes. The GQP is on 160m, 80m, 40m, 20m, 15m, 10m, and 6m only. Suggested operating frequencies are: Phone: 1.865, 3.810, 7.225, 14.250, 21.300, 28.450, 50.135 CW: 1.815, 3.545, 7.045, 14.045, 21.045, 28.045, 50.095

(Continued on page 7)

### THE ATLANTA HAM

The Atlanta HAM is the official bulletin of The Atlanta Radio Club serving its members and the Atlanta community. Original articles, art, and photos are welcome. Copyrighted material cannot be printed without permission form the appropriate legal authority. Please include such disclaimers in all materials submitted.

Submit articles:

John Talipsky N3ACK 385 Madison Chase Dr Lawrenceville, GA 30045

Contact the editor for available formats to transfer material.

## DEADLINE FOR SUBMISSIONS IS THE 21ST OF EACH MONTH!

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### **Member Spotlight...**

### **CQ...CQ...DE KI4KGK Billy**

Billy Christensen is a relatively new to ham radio, being licensed in 2005. He upgraded to general in the summer of 2007. Some of the things he likes to do with ham radio are: field operations, CW and QRP. Billy's shack consists of a Yaesu FT 450, Yaesu FT 7800 and a Yaesu FT 817ND. When not in the shack Billy can be heard on a Yaesu FT 2800 from his Ford Ranger. What does he do to pay for all of this? He works as an electronics technician through a staffing service. Billy also run a small business as a handyman and do light metal fabrication and welding. He is currently attending Georgia Perimeter College, studying engineering and hoping to transfer to Georgia Tech to gain a BS in electrical engineering. Billy is married and has two dogs. As a member of the Atlanta Radio Club and ARRL he can be found on the local repeaters, mainly 146.820 and 444.825.

Billy has enthusiastically volunteered to act as a net control operator on the regular Sunday night net.

"This is a photo of me at my bench with the FT 450 doing CW with the rest of my electronic test equipment and related junk."

Billy also likes to experiment with solar powered LED lighting. "Oh yea, I like to build my own antennas too, except for the 2m/70cm which is a Comet GP6." He has designed his own QSL card. "I QSL



99.9% of the time direct, no SASE needed."

# Mike Condon, NE4S, presents the upcoming Georgia QSO Party at April ARC Meeting

The Georgia QSO Party and Margarita & Martini, the Georgia 10-10 Chapter, headline the April ARC meeting. First - Georgia QSO Party - The main program is "Georgia QSO Party (GQP)" by Mike Condon, NE4S. The GQP is an HF contest to be held on the weekend of April 11-12 in which hams all around the country try to work as many Georgia counties as they can. Georgia hams operating in some of the more "obscure" counties will have the fortune to deal with pileups but those of us in the metro area may not be that lucky. Nevertheless, it promises to be a fun event for everyone. Come hear Mike tell us about it. Second - Margarita & Martini (Georgia) Chapter of 10-10 International Bobby Ricchiuti, K4JPC will tell us all about the 10-10 International Net and its local Chapter, the Margarita & Martini (M&M) Chapter, which Bobby leads. Ten-Ten International Net, or 10-10 for short, is an organization of over 75,000 amateur radio operators dedicated to maintaining high levels of amateur radio communications on the 10- meter amateur band (28.0-29.7 MHz). The M&M chapter is an active group of amateurs from all throughout Georgia. Their weekly Saturday night 10m net is growing each week. Come hear Bobby tell us all about it.

### **METRO TESTING SESSIONS**

Call ahead to verify session and be prepared with the appropriate forms and required papers. A small fee may be charged. Check with the VEC

#### Athens, GA

1st Monday of each EVEN-numbered month at 7:00 pm 2095 W. Broad Street.
Contact: EDWIN FUQUA, N4VA
(706) 354-1727 E: edwin.fuqua@charter.net
Cartersville, GA

1st Tuesday of each month at the Cartersville Kroger. Contact: JODI POWELL, AG4BK (770) 387-1591

#### Gainesville, GA

1st Sunday of EVEN-numbered months
Johnson High School, 3305 Poplar Springs Rd
Contact: ALFRED WESTBROOK, KT4VP
(770) 965-4901 Email: kt4vp@arrl.net

#### Milledgeville, GA ARRL / VEC

2nd Saturday of each month at 10:00 am at the Mary Vinson Memorial Library, 151 S. Jefferson Stacross from the Georgia Military Academy.Contact: OTIS MURPHY W4OY (478) 452-6394 Email: W4OY@arrl.net

#### Peachtree City, GA

1st Thursday of EVEN-numbered months at 7:00 pm, and the 2nd Saturday of ODD-numbered months at 10:00 am at the Peachtree City Library, downstairs meeting room. Contact: JAN DUBROCA, KN4JD (770) 502-0760

### Snellville, GA

2nd Tuesday of every month at 7:00 pm at Walton EMC, 3645 Lenora Church Road. Contact: WAYNE TAYLOR, WD3CCA (770) 498-7759

#### Stone Mountain, GA ARRL / VEC

Alford Memorial Radio Club 2nd Saturday of ODD-months at 8:30 am Stone Mountain United Methodist Church, 5312 W. Mountain St.

Contact: BOB VARONE, W4ETN (770) 978 3179 Email:bvarone@juno.com

#### East Atlanta and Gwinnett County, GA

Gwinnett Amateur Radio Society 3rd Sunday of each month, 3-5PM Gwinnett Public Library—Five Forks Branch 2780 Five Forks Trickum Rd Lawrenceville GA Atlanta, GA

4th Sunday of each month, 2:30pm GATECH Visit http://cyberbuzz.gatech.edu/w4aql/test.html

### How 'bout a Fox Hunt for May!

The Walton County (Georgia) Emergency Radio Club (WCERC)is planning a Fox Hunt during the CQ Magazine Worldwide Fox Hunting Weekend in May. Atlanta Radio Club members are invited to participate at WCERC's kit building session on February 16th in Loganville and at the Fox Hunt in May.

This is a great opportunity to learn about and or brush up on our Amateur Radio Direction Finding (ARDF) skills.

Kit Information: http://www.handi-finder.com

You have until April 9th to order your Handi-finder kit through Bill KB4KFT which will be constructed April 19th at the Second Sunday tech Session. Ok, yes, the 19th is not the second Sunday - it was moved to accommodate the Mothers Day holiday. Contact Bill KB4KFT at KB4KFT@billperkins.us by April 9th to get your kit!

### **NEWS, NOTES, & CLASSIFIEDS...**

#### **Swap Shop Item**

KI4KGK Blly - has some really nice acrylic based CW keys for sale. New bases, new keys. Contact Billy at ki4kgk@arrl.net

### **UPCOMING HAMFEST CALENDAR**

**25 APRIL** Calhoun Hamfest Cherokee Capital Amateur Radio Society www.k4woc.com **Talk-In:** 443.675+ and 146.805+

2 MAY Birmingham Hamfest

**6 JUNE** Georgia State Convention Atlanta Radio Club W4DOC www.atlantahamfest.com **Talk-In:** 146.820 (PL 146.2)

**Sunday Night Net:** All amateurs are invited to check into the Sunday Night Net at 8:00 PM on the 146.82 repeater. This net features comments from all check-ins, club news from club officers and committee chairpersons, a swap shop, and a discussion topic, if requested. 224.34 and 444.825 are normally linked in as well for the Sunday Night Net.

## Legislative Alert: GA House Bill 19 & House Bill 23

The GA legislators are back in session, and there are a couple of bills

### Susan Swiderski AF4FO http://arrl-ga.org

that bear watching by the amateur radio community. The primary targets of these bills are mobile cell phone users, but HB19, introduced by Mary Margaret Oliver, paints amateur radio operators with the same broad brush, and that's under the the label of "driving while distracted- use of wireless communications device". No problem with being held accountable for

### LxPedition...

(Continued from page 1)

massive tuner \*and\* his antenna called "Mega Blue", the 160 meter version of "Big Blue", a 80 meter dipole constructed of blue CAT5 (networking) cable. One does not truly appreciate 160 meters until deploying a 160 meter dipole made out of bright blue wire in the dark.

There were some other minor problems typical with this sort of set up... connectors that didn't, ring terminals that were too small, and so on. More lessons learned for setting up and operating from the field. The 160 meter radio was a Kenwood 570D and I don't have a clue what the tuner Bob provided was - it was big, that is for sure, looked impressive and worked. We were running this rig off a small car battery carried around for just this purpose. In the end the contact count on 160 was over sixty with some contacts as close as Marietta and some as far as western Europe.

By 1:30 am most of us were starting to drag and called it quits for the evening/day.

If you have not tried operating this way I can recommend it as a fun different thing to do and an exercise in temper control - at times. Certainly worth the effort.

actually contributing to an accident, for WHATEVER reason, but there is some concern that, in the unlikely event that this bill should pass as written, that over-zealous interpretation of it could jeopardize our right to even have a radio in our vehicle. Her bill is very similar to the one she introduced a few years back, and if you remember, because of the letters you fine folks wrote to your legislators the last time around, she amended the wording of her bill such that amateur radio operators and emergency responders were excluded. Some of you are one step ahead of me and have already contacted your legislator about this bill's most recent incarnation, and I thank you, but for those of you who haven't, I'd suggest that you take a look at how it is currently worded. You can find it at http://www.legis.ga. gov/legis/2009\_10/fulltext/hb19.

The other bill, HB23, does a better job of focusing on the proper target,

and even has an exclusion that covers us. http://www.legis.ga.gov/legis/2009\_10/fulltext/hb23.htm

But, as you all know, these bills have a way of changing, so it wouldn't hurt to keep an eye on that one, as well. If you aren't sure who your state legislator is or how to contact him, you can find that info by entering your full zip code at http://www.votesmart. org. The very savvy RICK BLACK, **K4RAB**, suggests that, since both of these bills have now been referred to the Motor Vehicle Committee, that it might be an even better idea to target your letter-writing specifically towards the members of this committee: Chairman- TOM RICE; (who also happens to be a sponsor of HB 23) Vice Chairman- MATT DOLLAR; Secretary-TIM BEARDON; Members- RICK AUS-TIN; PAUL BATTLES; ROGER BRUCE; MICHAEL HARDEN; TERRY JOHNSON; BOBBY PARHAM; ALAN POWELL; and JOHN YATES.

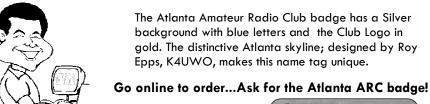
### Just a thought... Source: Tom KG4VUB

Just heard a qso on the repeater and someone mentioned a little about estimating wind speed. I thought I'd pass along these links for your enlightenment. They indicate estimated wind speed based on visual observations...

http://www.spc.noaa.gov/faq/tornado/beaufort.html and http://www.windows.ucar.edu/tour/link=/earth/Atmosphere/tornado/beaufort scale.html

If you ever report wind speed to WX4PTC on a severe weather net, remember to mention if your wind speed report is measured or estimated.

### The Signman of Baton Rouge



PO Box 84107 Baton Rouge, LA 70808-4107 USA (225) 757-1545 Phone 225-208-1545 Fax Toll-Free 877-SIGNMAN Http://thesignman.com KA4VQH

ATLANTA RADIO CLUB

John Talipsky, Jr.

### **New Ham Companion... Building a simple ground** plane antenna

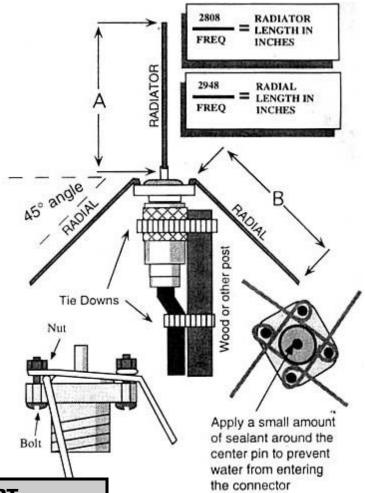
One of the simplest antennas you can build is a quarterewave ground plane antenna. It is small in size and inexpensive.

The only part you will need to buy is a SO-239 panel mount connector. You can use an old wire hanger for the radiator and radials.

You will need to use your soldering iron or gun to attach the radiator to the center post of the SO-239. File any paint or coating from the radiator wire before soldering. Cut the radiator to the proper length before soldering it. If you can find a short copper tube to help secure the radiator to the S)-239, your antenna will stand up to high winds.

The radials may be soldered or attached with screws. Screws are the easier method if you take the time to overlap them as shown in the diagram. Cutting the radials may be done after the construction is complete.

The radials should be bent to an angle of 45 degrees for 52 ohm base impedance. If the radials are perpendicular to the radiator, the base impedance is approx. 36 ohms. Radials parallel to the radiator have an impedance of approx 75 ohms



### FREQUENCY CUTTING CHART

RADIATOR			RADIATOR			RADIATOR		
FREQ R		ADIALS	FREQ	R/	ADIALS	FREQ	R	ADIALS
28.1 28.2 28.3 28.4 28.5 28.6 28.7 28.8 29.0 29.1 29.2 29.3	99.93 9957 99.22 98.87 98.53 98.18 97.84 97.50 97.16 96.83 96.49 96.16 95.84	104.93 104.55 104.18 103.82 103.45 103.09 102.73 102.38 102.02 101.67 101.32 100.97 100.63	144.0 144.5 145.5 146.0 146.5 147.0 147.5 148.0 220.0 220.5 221.0 221.5	19.50 19.43 19.37 19.30 19.23 19.17 19.10 19.04 18.97 12.76 12.73 12.71 12.68	20.48 20.40 20.33 20.26 20.19 20.13 20.06 19.99 19.92 13.40 13.37 13.34 13.31	423.0 424.0 425.0 426.0 427.0 428.0 430.0 431.0 432.0 433.0 434.0 435.0	6.64 6.62 6.61 6.59 6.58 6.56 6.55 6.53 6.52 6.50 6.48 6.47 6.46	6.97 6.95 6.94 6.92 6.90 6.89 6.87 6.86 6.84 6.83 6.81 6.79 6.78
29.4 29.5 29.6 29.7 29.8 29.9 50.0 50.5 51.0 51.5 52.0 52.5 53.0 53.5 54.0	95.51 95.51 94.86 94.55 94.23 93.91 56.16 55.60 55.06 54.52 54.00 53.49 52.98 52.49 52.00	99.95 99.95 99.61 99.27 98.94 98.61 58.97 58.38 57.81 57.25 56.70 58.16 55.63 55.11 54.60	221.5 222.0 222.5 223.0 223.5 224.0	12.65 12.65 12.62 12.59 12.56 12.54	13.28 13.25 13.22 13.19 13.16	436.0 437.0 438.0 439.0 440.0 441.0 442.0 443.0 444.0 445.0 446.0 447.0 448.0 449.0 450.0	6.44 6.43 6.41 6.40 6.38 6.37 6.35 6.34 6.32 6.31 6.30 6.28 6.27 6.25 6.24	6.76 6.75 6.73 6.72 6.70 6.69 6.67 6.66 6.64 6.63 6.61 6.60 6.58 6.57 6.55

### About Rubber Ducks

The rubber duck antenna on your handheld is not a very efficient antenna. The typical 2 meter rubber duck has a 5db loss. If you have a 3 watt radio your rubber duck will only radiate less than 1 watt! A quarterwave antenna has 0 db loss and will allow all 3 watts to be radiated

# Did you know...

Why we use 52 ohm coax?

During WWII it was discovered that the minimum amount of material was needed to make a 52 ohm cable. It conserved critical war material and increased profits for the manufacturers.

### What's an OO?? AF4FO gives a little insight

My better half, MIKE, K4HBI, who happens to be our GA Official Observer Coordinator, and I heard a brand new ham on the local repeater

## Susan Swiderski AF4FO www.arrl-ga.org

talking about a program that Mike would be presenting at the club meeting that evening. He said he wasn't sure what it meant, but it was something about "double zero". Mike and I got a good chuckle about that, but there are an awful lot of hams, old and new alike, who still have little knowledge about what our Official Observers do.

I've often called them "unsung heroes" because of the huge role they play in helping to keep our airwaves more pleasurable. The work they do often goes unnoticed by the rest of us, but thanks to their diligent monitoring and reporting of infractions that sully our frequencies, the FCC is able to follow through with enforcement, and gets the perpetrators to clean up their acts, one way or the other.

CHUCK SKOLAUT, KOBOG, the ARRL'S Field & Regulatory Correspondent, who oversees the OO program, initiated something new this year, and is now going to be sending out a monthly summary about some of the OO activity around the county. In his first summary, he commented about how pleased everyone was that the FCC hired someone to replace "The Enforcer" RILEY HOLLINGSWORTH. As you probably know, the new "sheriff" is LAURA SMITH, and it's a pleasure to report that she's already off to a terrific start. She placed a personal phone call to my better half and spent a good while talking with him, and she has already done a fantastic job of clearing up a problem that was ongoing on a central GA repeater. So things are looking good for the continued importance of our OO program, and for enforcement follow-up by the FCC.

With Chuck's permission, here are

some excerpts from his first summary:

During the first week of the month a number of OOs and others reported a raspy sounding CW signal on or near 14250 KHz which the FCC DFing people checked on and verified was originating in the Dominican Republic and concluded was unintentional and went away shortly afterward. A number of OOs checked out an unidentified digital signal on 40 meters and a constant carrier on a 2 meter repeater in California, the latter was resolved. The second week, unlicensed bear hunters using 2 meters in North Carolina and West Virginia have again become a problem which we have passed on to the FCC. Interestingly enough they report in WV that a number of hunters get licensed and then don't ID or follow proper amateur operation. They simply become licensed to be able to tell Park Rangers who check on them that they are licensed and then are legal to operate. OOs are checking on several reports of broad signals interfering with nets on 75 and 20 meters.

During the third week, OOs in Maine located the interference to a 2 meter repeater and it is being taken care of. A report of high power cordless phones operating in the two meter band being offered for sale on the internet was reported and forwarded

on to the FCC. Shortly afterward our rules and regulations man was contacted by a representative from eBay with assurance that they would look into it and work out a method in the future to check on this type of thing. We learned that the San Francisco FCC field office sent a warning letter to an amateur in Northern California, well known for on-the-air malicious interference occurring over a long time period.

During the fourth week, OOs in Eastern Massachusetts begin checking out reported improper operation on a 6 meter repeater and Georgia were asked to check out foul language being heard on 75 meters locally. A Spanish BC station heard on 18144 ceased operation shortly after being reported. The last week saw Connecticut OOs being asked to follow up on reports of bad language and lack of proper operation happening on 2 meters and OOs in Wisconsin, Michigan, and Minnesota to check on intentional interference on 160 meters thought to be coming from those sections.

See this article and others like it at the ARRL GA Section website: www.ga-arrl.org

#### **W4DOC REPEATER NEWS & NOTES**

All three repeaters require a CTCSS tone of 146.2 Hz.

146.820 (-) (IRLP Node 4550) 224.340 (-) 444.825 (+) (IRLP Node 5070)

The current schedule for net operations include the Sunday Night Net on 146.820 at 8PM EST and the Southeastern VHF Net on Wednesday evenings at 9PM. The 146.820 machine can also be dialed into IRLP and SKYWARN/Peachtree City during inclement weather.

D-Star Repeaters (Bank of America Tower)
145.350 (-0.6 MHz) W4DOC C 444.600 (+5.0 MHz) W4DOC B
1282.60 (-12 MHz) W4DOC A 1297.625 (Data) W4DOC D
D-Star on Stone Mountain (Joint ARC/GA ARES)
145.960 (+2.5 MHz) WX4GPB C 444.700 (+5.0 MHz) WX4GPB B
1282.700 (-12 MHz) WX4GPB A 1297.125 (Data) WX4GPB D



Sponsored by: ARRL and The Atlanta Radio Club **W4DOC** 



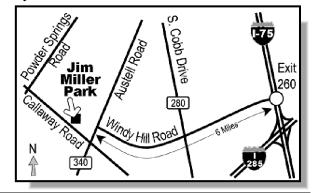
Gates Open: 8:00AM—300PM Admission: \$5 (Under 18 Free) Tailgate Set-Up: 6:30 AM Saturday



- ◆DEALERS ◆ FLEA MARKET ◆ TAILGATING ◆ PRIZES
  - **FORUMS** FCC EXAMS **♦ FOOD**
- ♦RV& CAMPING

## Jim Miller Park, Cobb Co.

For more info: John Talipsky, N3ACK, 385 Madison Chase Drive Lawrenceville, GA 30045 770-995-6446 or 678-618-2190 Email: johnn3ack@comcast.net



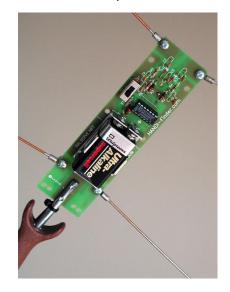
### Georgia QSO...

(Continued from page 1)

Awards for Club competition, out of state clubs, and Georgia clubs, are offered in each mode category along with the individual station awards.

The Georgia QSO Party will be on the air April 11th 1800Z Saturday until 0359Z Sunday and April 12th Sunday 1400Z to 2359Z. The GQP is sponsored by South East Contest Club, and Southeastern DX Club.

If you don't get a chance to participate in the QSO party The Walton County Emergency Radio club will be holding a fox hunt coming up in May. Bill KB4KFT has agreed to host an antenna building party at the April session of the Second Sunday Tech Session to facilitate the construction of the kits the Walton Emergency Radio Club has selected to use. The Tech Session will be held Sunday April 19th instead of the usual second Sunday due to Mothers



Day. David Rudd will be there as a group leader and there will be helpers there as well. The kit is not a hard one to build and can be completed in one session.

You can pre-order a kit by contacting Bill Perkins at kb4kft@billperkins.us Cost for these kits is \$29 each with the last day to order one being April 9th - no orders will be accepted after that date. And no extra kits are expected on the day. In short, if you did not ask for one in advance then there will probably not be one for you on the day. Payment will be accepted on the day of the build or can be arranged before the order is placed.

For more information on the Georgia QSO Party goto www.gap. contesting.com and for info on the fox hunt goto www.wcerec.org.

John Talipsky N3ACK
The Atlanta Radio Club, Inc.
385 Madison Chase Drive
Lawrenceville, GA 30045

### Bill Perkins, KB4KFT

President kb4kft@billperkins.us

#### **Rob Osattin, KI4UTY**

Vice President rosattin@earthlink.net

#### **Bert Bruner - KE4FOV**

Treasurer ke4fov@arrl.net

### George Lane, KI4DSO

Secretary 404-943-9221 glane4j@thinkingguy.com

### Chris Fowler - KI4YMD

Member-At-Large ki4ymd@arrl.net

### **Rob Osattin, KI4UTY**

Activities Manager rosattin@earthlink.net

### Robin Cutshaw, AA4RC

Repeater Manager 404-713-4000 aa4rc@amsat.org

### Bert Bruner, KE4FOV George Lane, KI4DSO

Membership See contact info above

### John Talipsky Jr, N3ACK

Hamfest Chairman 770-995-6446 johnn3ack@comcast.net

#### John Talipsky Sr, KI4Y

Newsletter 678-985-1316 john@talipsky.com

### **MEETING NOTICE - THURS APRIL 2, 2009**



TH F6A



Finally, the Amateur Handheld that everyone has been waiting for, the New Kenwood TH-F6A. The TH-F6A is a 144/220/440 MHz transceiver/receiver with dual-channel RX capability in a compact and powerful design. The first Tri-Band HT with 3 bands you can operate EVERY DAY! The TH-F6A boasts a list of unique features the competition is still scratching their heads over.

KENWOOD Listen to the Future